APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/752,672	12/28/2000	Jae-Young Lee	51876.P228	9381

8791	7590	07/27/2004

	EXAMINER
	CHANG, JUNGWON

BLAKELY SOKOLOFF TAYLOR & ZAFMAN
12400 WILSHIRE BOULEVARD
SEVENTH FLOOR
LOS ANGELES, CA 90025-1030

ART UNIT	PAPER NUMBER
2154	

DATE MAILED: 07/27/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)
Office Action Summary	09/752,672	LEE ET AL.
	Examiner	Art Unit
	Jungwon Chang	2154

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE _3_ MONTH(S) FROM
THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed
  after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
  Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any
  earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on _03 July 2001_.

2a)☐ This action is **FINAL**.   2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is
closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) _1-8_ is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) _1-8_ is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☒ All   b)☐ Some * c)☐ None of:

1.☒ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage
application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1)☒ Notice of References Cited (PTO-892)

2)☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3)☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _7/3/01_.

4)☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ .

5)☐ Notice of Informal Patent Application (PTO-152)

6)☐ Other: _____.

DETAILED ACTION

1.   Claims 1-8 are presented for examination.

2.   It is noted that although claims contain line numbers, the line numbers in the

claims do not correspond to the preferred format. The preferred format is to number

each line of every claim, with each claim beginning with line 1. For ease of reference by

both the examiner and applicant all future correspondence should include the

recommended line numbering.

Claim Rejections - 35 USC § 112

3.   The following is a quotation of the second paragraph of 35 U.S.C. 112:

> The specification shall conclude with one or more claims particularly pointing out and distinctly
> claiming the subject matter which the applicant regards as his invention.

4.   Claims 1-3 are rejected under 35 U.S.C. 112, second paragraph, as being

indefinite for failing to particularly point out and distinctly claim the subject matter which

applicant regards as the invention.

        a.   The terms in the claims lack proper antecedent basis:

                i.   the server – claim 2, line 5;

                ii.   the participants – claim 3, lines 4-5;

        b.   The claim language in the following claims is not clearly understood:

                i.   As to claim 1, line 4, the phrase "transforming the URL of the

search web page" is not clearly indicated that transforming the URL of the

page into what format.

ii.   As to claim 2, line 5, it is uncertain whether "the server" refers to "a

collaborative browsing server" in claim 2, line 3;

Lines 5-6, it is not clearly understood what is meant by "requests the

server of the requested web page to send it thereto" (i.e., Is it intended to

mean that sending the requested web page to a web server?);

Line 8, it is not clearly understood what is meant by "its server" (i.e.,

collaborative browsing server or server?)

iii.   As to claim 5, it is uncertain whether a web server refers to a target

web server in claim 5, line 3;

Claim Rejections - 35 USC § 102

5.   The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that

form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

6.   Claims 1-8 are rejected under 35 U.S.C. 102(e) as being anticipated by Ohkado

et al. (US 6,668,276), hereinafter Ohkado.

7.   As to claim 8, Ohkado discloses a collaborative browsing system comprising:

a collaborative browsing server processor (i.e., collaboration server, 110, fig. 3

including a central processing unit (cpu), col. 7, lines 26-27) for communicating with a

collaborative browsing client (i.e., customer, agent, fig. 1; 130, 170, fig. 3) (i.e., at the

collaboration server, an httpd function for first receiving and then replying to http

requests, col. 9, lines 11-12; customer sends request to start collaboration to the

collaboration server, col. 11, lines 64-65);

a web server (i.e., web server, 140, figs. 1 and 3; 111, fig. 3) therein a common

gateway interface (CGI; i.e., providing a web server to interact dynamically with

collaborative browsing server processor, col. 15, lines 6-27) for communicating with the

collaborative browsing server processor (i.e., collaboration server is equipped with a

web server, col. 9, lines 6-16; col. 12, lines 1-11); and

an operating system for operating the web server (i.e., the code provides

instructions to the CPU in unison with the operating system so as to execute the present

invention, col. 7, lines 38-42; col. 8, lines 37-62).

8.   As to claim 1, Ohkado discloses the invention a collaborative browsing method

applied a collaborative browsing system (i.e., two web browsers are being shared the

same HTML content; col. 9, lines 19-21; col. 6, lines 32-44), comprising:

a first step of searching for web page that a user (i.e., customer; 130, fig. 1)

requests (i.e., analyzing the contents of HTTP requests sent from the web browser to

the web server; col. 9, lines 48-55; col. 10, lines 33-34), transforming the URL of the

searched web page (i.e., transition URL of the HTML code (web page); col. 6, lines 48-

67; sending the translated HTML code to the customer web browser; col. 14, lines 20-

21; page alterations can be detected on the customer side; col. 9, lines 26-27;

translating the contents of the HTML code by HTML translator; col. 13, lines 47-53),

storing it (i.e., caching HTML responses; col. 9, lines 17-18 and 23-25), and then

transmitting the web page to the user (i.e., receiving responses from the web server to

web browser; col. 10, lines 34-36); and

a second step of sending the transformed URL of the web page to other users

(i.e., agents; 170, fig. 1; col. 11, lines 8-12 and 46-49) who participate in the same

session (i.e., collaboration session; col. 9, lines 31-36; col. 10, lines 8-12) in which the

user is joining (i.e., sending the transition destination URL of HTML file, i.e., transformed

URL web, to the second information terminal, i.e., other users; col. 3, lines 43-45), and

transmitting the stored web page to the other users if they request it (i.e., the same URL

can be displayed on the other users; col. 9, lines 23-25; two web browsers are being

shared the same HTML content is returned for HTTP requests sent from two web

browsers; col. 9, lines 19-21; col. 3, lines 45-47).

9.   As to claims 2 and 3, Ohkado discloses a collaborative browsing server (i.e.,

collaboration server, 110, fig. 3) receives the request for web page search from the user

(i.e., at the collaboration server, an httpd function for first receiving and then replying to

http requests is necessary; col. 9, lines 11-12 and 48-55) and requests the server of the

requested web page to send it thereto (i.e., HTTP requests sent from the web browser

of client to the web server; col. 9, lines 49-51); the collaborative browsing server

transforms the URL of the web page sent from its server into a URL of the collaborative

browsing server (i.e., sending the translated HTML code to the customer web browser;

col. 14, lines 20-21; page alterations can be detected on the customer side; col. 9, lines

26-27; translating the contents of the HTML code by HTML translator; col. 13, lines 47-

53)and stores it (i.e., caching HTML responses; col. 9, lines 17-18 and 23-25); and the

collaborative browsing server transmits the web page whose URL has been

transformed to the user (i.e., receiving responses from the web server to web browser;

col. 10, lines 34-36).

10.   As to claim 4, it is rejected for the same reasons set forth in claim 1 above. In

addition, Ohkado discloses a recording medium (i.e., MO or CD-ROM; col. 7, lines 35-

37) capable of being read by a computer (col. 7, lines 38-46), the recording medium

recoding a program for executing a first function of searching for a web page that a user

requests (col. 4, lines 54-63; col. 5, lines 27-36).

11.   As to claim 5, Ohkado discloses a collaborative browsing server processor (i.e.,

collaboration server, 110, figs. 1and 3) for retrieving a web page from a target web

server (i.e., web server, 140, figs. 1 and 3; 111, fig. 3) through HTTP (Hypertext

Transfer Protocol) to process the web page (col. 6, lines 45-50) and store the processed

web page therein (i.e., collaboration server storing the HTML content in its cache

manager; col. 9, lines 17-18 and 23-25);

a web server (i.e., web server, 140, figs. 1 and 3; 111, fig. 3) provided with a

storage memory (i.e., RAM, ROM, hard disk drive, etc) and a common gateway

interface (CGI; i.e., providing a web server to interact dynamically with collaborative

browsing server processor, col. 15, lines 6-27) for being communicated with the

collaborative browsing server processor (i.e., collaborative browsing server is equipped

with a web server, col. 9, lines 6-16; col. 12, lines 1-11); and

a web browser (i.e., web browser, 131, 175, fig. 3), provided with a

communication module (i.e., modem, communications adapter card (Ethernet or token

ring card), col. 7, lines 54-56), a first and a second communicating communication

channels, for communicating with the web server through the first communication

channel (i.e., web browsers designate URLs and send requests to web servers and

receive responses sent from the web server, col. 10, lines 33-36; customer terminal is

linked to the web server, col. 11, lines 62-63) and for receiving/sending TCP/IP socket

(i.e., connecting to a network via serial port, col. 7, lines 54-55) through second

communication channel to communicate the communication module (i.e., connecting to

a network via modem or the communications adapter card, col. 7, line 55-58), and the

collaborative browsing server processor, respectively (i.e., the customer sends a

request to start collaboration to the collaborative server, col. 11, lines 64-65).

12.   As to claim 6, Ohkado discloses the collaborative browsing server processor

transfers information from the communication module to a communication module of

other users (i.e., The collaborative server is connected to a network via modem or the

communications adapter card and is capable of communicating with other computers,

col. 7, line 54-58).

13.   As to claim 7, Ohkado discloses the first communication channel transfers

information by using HTTP (i.e., HTTP requests sent from the web browser of customer

to the web server, col. 9, lines 48-51; col. 10, lines 27-29).

Conclusion

14.   The prior art made of record and not relied upon is considered pertinent to

applicant's disclosure:

Aravamudan et al, patent 6,732,145, Kusuda et al, patent 6,567,848, Anupam et al,

patent 5,991,796, Anupam et al, patent 5,862,330, Cuomo et al, patent 5,861,883

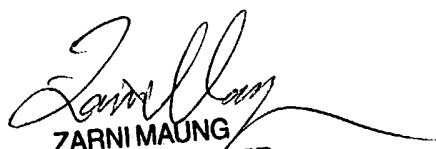disclose the method and system for collaborative browsing among users.

15.   Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Jungwon Chang whose telephone number is (703)305-

9669. The examiner can normally be reached on 9:30-6:00 (Monday-Friday).

        If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, John A Follansbee can be reached on (703)305-8498. The fax phone

number for the organization where this application or proceeding is assigned is 703-

872-9306.

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free).

Jungwon Chang
July 21, 2004

ZARNI MAUNG
PRIMARY EXAMINER